

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION a	see Form PCT/ISA/220 s well as, where applicable, item 5 below.
International application No.	International filing date (day/month/yea	(Earliest) Priority Date (day/month/year)
PCT/US2004/040726	06/12/2004	04/12/2003
Applicant		
UNIVERSITY OF UTAH RESEAR	CH FOUNDATION	
This International Search Report has bee according to Article 18. A copy is being tr		g Authority and is transmitted to the applicant
This International Search Report consists It is also accompanied by	of a total of sheets. a copy of each prior art document cited in	n this report.
Basis of the report a. With regard to the language, the language in which it was filed, un	international search was carried out on the less otherwise indicated under this item.	ne basis of the international application in the
The international this Authority (Ru		translation of the international application furnished to
b. With regard to any nucle	otide and/or amino acid sequence discl	losed in the international application, see Box No. I.
2. Certain claims were fou	ind unsearchable (See Box II).	
3. Unity of invention is lac	king (see Box III).	·
4. With regard to the title,		•
the text is approved as su	, , , , , , , , , , , , , , , , , , , ,	
the text has been establis	shed by this Authority to read as follows:	
•		
		•
5. With regard to the abstract,		
the text is approved as su	ibmitted by the applicant.	
the text has been establismay, within one month from	thed, according to Rule 38.2(b), by this Au orn the date of mailing of this international	uthority as it appears in Box No. IV. The applicant search report, submit comments to this Authority.
6. With regard to the drawings,		
	oublished with the abstract is Figure No	· · · · · · · · · · · · · · · · · · ·
as suggested by		
as selected by the	is Authority, because the applicant failed t	o suggest a figure.
as calested by thi	s Authority, because this figure better cha	vegetorizes the invention

International application No.

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Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

Described herein are compounds such as macromolecules that have been modified in order to facilitate crosslinking by introduction of at least one hydrazide-reactive group and/or aminooxy-reactive group, and methods of making and using thereof for scar-free wound healing, for delivering bioactive agents or living cells, for preventing adhesion after a surgical procedure or for bone and cartilage repair. The macromolecule can be an oligonucleotide, a nucleic acid, a polypeptide, a lipid, a glycoprotein, a glycolipid, a polysaccharide, a protein or a synthetic polymer, preferably a glycosaminoglycan like hyaluronan.

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 CO8B37/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Ρ, χ	WO 2004/037164 A (UNIVERSITY OF UTAH RESEARCH FOUNDATION; PRESTWICH, GLENN, D; SHU, XIAO) 6 May 2004 (2004-05-06) claims 1-107	1-223
X	US 5 874 417 A (PRESTWICH ET AL) 23 February 1999 (1999-02-23) claims 1-30 examples	1-223
X	US 6 630 457 B1 (AESCHLIMANN DANIEL ET AL) 7 October 2003 (2003-10-07) column 5, lines 31-65 column 13, lines 1-10 examples	1-223
A	US 5 880 270 A (BERNINGER ET AL) 9 March 1999 (1999-03-09) claims 1-36	1-223

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
 Special categories of cited documents. "A" document defining the general state of the art which is not considered to be of particular relevance. "E" earlier document but published on or after the international filing date. "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified). "O" document referring to an oral disclosure, use, exhibition or other means. "P" document published prior to the international filing date but later than the priority date claimed. 	 "T" later document published after the international filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "8" document member of the same patent family
Date of the actual completion of the international search 8 March 2005	Date of mailing of the international search report 31/03/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer

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Information on patent family members

na

national Application No PCT/US2004/040726

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